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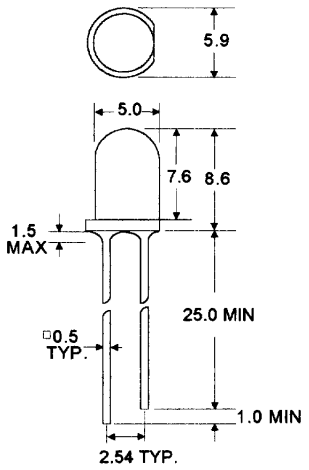
# Jameco Part Number 106526

## *LIGITEK*

***INFRARED EMITTING DIODES*** **LVIR333X** SERIES

*Package Dimension*




Note: All dimension are in millimeter tolerance is ±0.25mm unless otherwise noted.

*Features*

- High radiant intensity
- Suitable for pulsed applications
- Low average degradation

*Description*

The LVIR333X series are high power solution grown epitaxial Gallium Arsenide infrared emitting diodes encapsulated in blue transparent or water clear plastic T1 3/4 package individually

- **Electrical Optical Characteristics ( at 25°C)**

| PARAMETER | SYMBOL | PART NO. | MIN | TYP | MAX | UNIT | TEST CONDITION |
|---|---|---|---|---|---|---|---|
| Aperture Radiant Incidence | Ea | LVIR3333 | 5.0 | 8.0 | | $mW/cm^2$ | IF=20mA |
| | | LVIR3331 | 5.0 | 8.0 | | | |
| Peak Emission Wavelength | λpeak | | | 940 | | nm | IF=20mA |
| Spectral Line Half Width | Δλ | | | 50 | | nm | IF=20mA |
| Forward Voltage | VF | | | 1.2 | 1.6 | V | IF=20mA |
| Reverse Current | IR | | | 0 | 100 | μA | VR=5V |
| Viewing Angle | 2θ 1/2 | | | 20 | | deg | |

- **Absolute Maximum Rating (Ta=25°C)**

| PARAMETER | MAXIMUM | UNIT |
|---|---|---|
| Power Dissipation | 100 | mW |
| Peak Forward Current (300PPS,1US Pulse) | 3 | A |
| Continuous Forward Current | 50 | mA |
| Reverse Voltage | 5 | V |
| Operating Temperature RANGE | -55°C TO +100°C | |
| Storage Temperature RANGE | -55°C TO +100°C | |
| Lead Soldering Temperature 1.6mm(0.036") From | 260°C For 5 Seconds | |

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